

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Attorney Docket No: VTIP 17

Inventors: William R. Saunders and Michael A. Vaudrey Group Art Unit;  
Ser. No.:

Filed:

For: Adaptive Personal Active Noise Reduction System

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97 (b)

Honorable Commissioner of Patents and Trademarks  
Washington, D. C. 20231

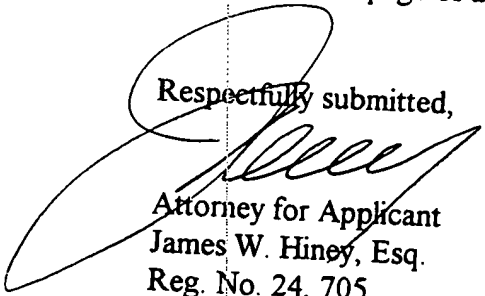
Sir:

The Attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of the references is attached.

No fee or certification is required in connection with this Information Disclosure Statement since it is being filed with the Specification and drawings.

It is respectfully requested that these documents be expressly considered during the prosecution of this application and that the references cited on the attached Form PTO- 1449 be made of record therein and appear on the first page of any patent to issue therefrom.

Respectfully submitted,

  
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## INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97 (b)

FORM PTO-1449

The following references were found to be pertinent to the disclosure of Adaptive Personal Active Noise Reduction System filed as an application herewith. The references are discussed within the test of the specification.

<u>Inventor</u>	<u>Patent No.</u>	<u>Issue Date</u>
Wadsworth	3, 098, 121	July 16, 1963
Graupe et al	4, 025, 721	May 24, 1977
Chaplin et al	4, 122, 303	Oct. 24, 1978
Bose	4, 494, 074	Jan. 15, 1985
Chaplin et al	4, 654, 871	Mar. 31, 1987
Goldfarb et al	4, 682, 363	Jul. 21, 1987
Schwab	4, 845, 751	Jul. 4, 1989
Zeigler	4, 878, 188	Oct. 31, 1989
Hsiao-Chung Lee	4, 930, 148	May 29, 1990
Twiney et al	4, 953, 217	Aug. 28, 1990
Graupe	5, 097, 510	Mar. 17, 1992
Zeigler	5, 105, 377	Apr. 14, 1992
Andrea et al	5, 251, 263	Oct. 5, 1993
Altman	5, 329, 592	Jul. 12, 1994
Eatwell	5, 361, 303	Nov. 1, 1994
Denenberg	5, 375, 174	Dec. 20, 1994
Nishimoto et al	5, 402, 497	Mar. 28, 1995

## ASSIGNMENT

WHEREAS, William Richard Saunders of Blacksburg, Virginia and Michael Allen Vaudrey of Columbia, South Carolina, ( hereinafter called ASSIGNOR ) have invented certain improvements in ADAPTIVE PERSONAL NOISE REDUCTION SYSTEM and executed an application for Letters Patent of the United States of America therefor on April 30, 1997; and

WHEREAS, VIRGINIA POLYTECHNIC INSTITUTE and STATE UNIVERSITY ( Virginia Tech ) of Blacksburg, Virginia, (hereinafter called ASSIGNEE) an institute of higher education organized under the laws of the Commonwealth of Virginia, desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for a valuable consideration, receipt of which is hereby acknowledged, the above named ASSIGNOR, hereby sells, assigns and transfers to the above named ASSIGNEE, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, to be obtained for said invention by said application or any continuation, division, continuation-in-part, re-examination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted, and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, ASSIGNOR has caused the hand of its proper office to be subscribed this                      day of April, 1997.

✓ Will R. Sanders  
William Richard Saunders

✓ Michael A. Vaudrey  
Michael Allen Vaudrey

Witnessed by:

Therese Croft  
4-30-97